YIN LIN

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https://niceirene.github.io/

EDUCATION

University of Michigan, Ann Arbor   Ann Arbor, MI
Ph.D. student in Computer Science and Engineering   Sept. 2019 – present
Advisor: Prof. H. V. Jagadish

Shanghai Jiao Tong University   Shanghai, China
B.S. in Computer Science   Sept. 2015 – June 2019

RESEARCH INTEREST

DB4AI; Responsible data management and data preparation.

PUBLICATIONS

Conferences

- *Predicate Pushdown for Data Science Pipelines*
  Cong Yan, Yin Lin, Yeye He
  SIGMOD - Proceedings of the ACM on Management of Data 1 (2), 1-28, 2023 **(best paper award)**
- *On Detecting Cherry-picked Generalizations*
  Yin Lin, Brit Youngman, Yuval Moskovitch, H. V. Jagadish, Tova Milo
  PVLDB - Proceedings of the VLDB Endowment, 15(1): 59-71, 2022.
- *Identifying Insufficient Data Coverage in Databases with Multiple Relations*
  Yin Lin, Yifan Guan, Abolfazl Asudeh, H. V. Jagadish
  PVLDB - Proceedings of the VLDB Endowment, 13(11): 2229-2242, 2020.
- *R^2-Tree: An Efficient Indexing Scheme for Data Center Networks*
  Yin Lin, Xinyi Chen, Xiaofeng Gao, Bin Yao, Guihai Chen
  DEXA - International Conference on Database and Expert Systems Applications, 2018.

Workshops

- *OREO: Detection of Cherry-picked Generalizations*
  Yin Lin, Brit Youngman, Yuval Moskovitch, H. V. Jagadish, Tova Milo
  PVLDB - Proceedings of the VLDB Endowment, 15(12): 3570 - 3573, 2022.
- *On Structural vs. Proximity-based Temporal Node Embeddings*
  Puja Trivedi*, Alican Büyükçakır*, Yin Lin, Yinlong Qian, Di Jin and Danai Koutra
  KDD MLG - International Workshop on Mining and Learning with Graphs, 2020.
- *MithraDetective: A System for Cherry-picked Trendlines Detection*
  Yoko Nagafuchi, Yin Lin, Kaushal Mamgain, Abolfazl Asudeh, H. V. Jagadish, You (Will) Wu, Cong Yu
  CoRR, 2020, arXiv/2010.08807.

Journal Articles

- *A Survey on Techniques for Identifying and Resolving Representation Bias in Data*
  Nima Shahbazi, Yin Lin, Abolfazl Asudeh, HV Jagadish
  ACM Computing Surveys.

INTERNSHIPS

Alibaba Group, Bellevue,
Research Intern, in Data Analytics and Intelligence Lab (DAIL) (Mentor: Bolin Ding) May 2023 – Aug. 2023

Microsoft Research, Redmond,
Research Intern in Data Management, Exploration and Mining (DMX) (Mentor: Cong Yan) May 2022 – Aug. 2022

Huawei Technologies Co., Ltd.,
Research Intern in GaussDB Group (Mentor: Bo Gao) Apr. 2019 – July 2019

University of Waterloo,
Research Intern in Software Architecture Group (Advisor: Prof. Meiyappan Nagappan)July 2018 – Oct. 2018

TEACHING EXPERIENCES

CS499, Mathematical Foundations of Computer Science, SJTU   Spring 2018
Teaching Assistant.   Instructor: Prof. Dominik Scheder

STUDENT MENTORING

Yoko Nagafuchi, Senior, University of Michigan

HONORS & AWARDS

Rackham Dean's and Named PhD fellowship *Full first-year PhD fellowship from the University of Michigan* 2019-2020
Outstanding Undergraduate in Shanghai Jiao Tong University   June 2019
Academic Scholarship *Awarded to top 10% undergraduates for academic performance at SJTU*   2016 – 2018
Meritorious Winner, Mathematical Contest in Modeling *twice, top 8% worldwide*   2017, 2018
National Scholarship for Studying Abroad, China Scholarship Council *Awarded to 200 undergraduates in China*   2018
SCSK Scholarship *Awarded to 7 computer science undergraduates at SJTU for the academic performance*   2018
Yitu Scholarship *Awarded to 3 outstanding computer science undergraduates at SJTU for their research*   2017
Huawei Scholarship *Awarded to 7 computer science undergraduates at SJTU for the academic performance*   2017
Chun Tsung Scholar *Awarded to 50 undergraduates at SJTU, funded by Nobel Prize owner Tsung-Dao Lee*   2016